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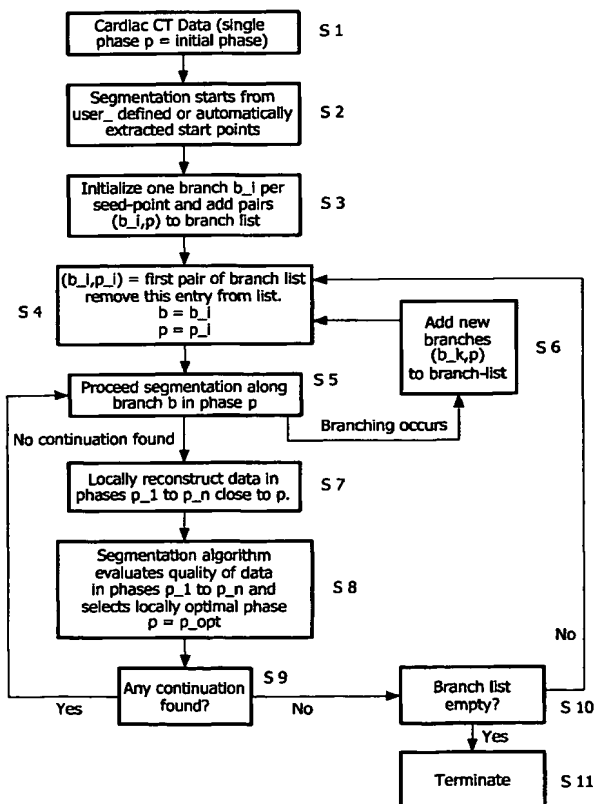
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(54) Title: **IMAGE SEGMENTATION IN A VOLUME DATA SET**



(57) Abstract: Coronary artery segmentation is a crucial task in cardiac CT image processing. This is often a tedious task performed manually by an operator. According to the present invention, a method is provided which combines data from multiple cardiac phases during the segmentation process in order to deliver a complete and continuous coronary vessel tree. Advantageously, this may allow for an improved visualization and segmentation of vessels, for example, in coronary CTA.



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